

CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

Employer Id : E41251

Participation : CTR

Employer : The Boeing Company

Status : Affected

Worksite : The Boeing Company - Bomarc

Survey Type : Online

Street : 9705 24th Pl W

Response Rate : 62%

Jurisdiction : City of Everett

Survey Date : 5/1/2018

Non-Drive Alone & One-Way VMT Rates at this Worksite

Non-Drive Alone Rate : 16.7%

Drive Alone Rate : 83.3%

One-Way VMT per employee : 14.9

Average One-Way distance home to work : 17.0

Employees and Survey Response Information

Reported Total Employees at Worksite : 1,894

Surveys Distributed : 1,354

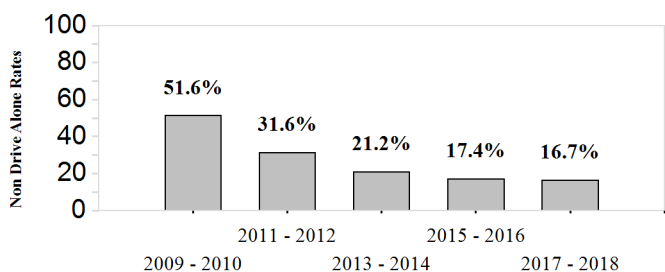
Surveys Returned : 844

Surveys Returned by CTR Affected* Employees : 803

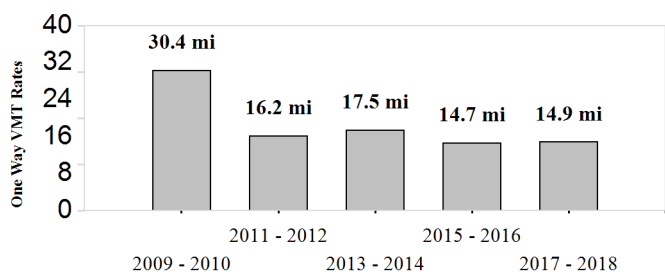
Total Estimated CTR Affected Employees at Worksite : 1,288

*CTR Affected employees filled out the survey as being full-time and commuting (typically) to work at least twice between 6a and 9a, Monday through Friday.

Non Drive Alone Rates - ALL Employees



One Way VMT per Employee - ALL Employees



Site History and Targets

Annual Metric Tons CO₂e Pounds CO₂e

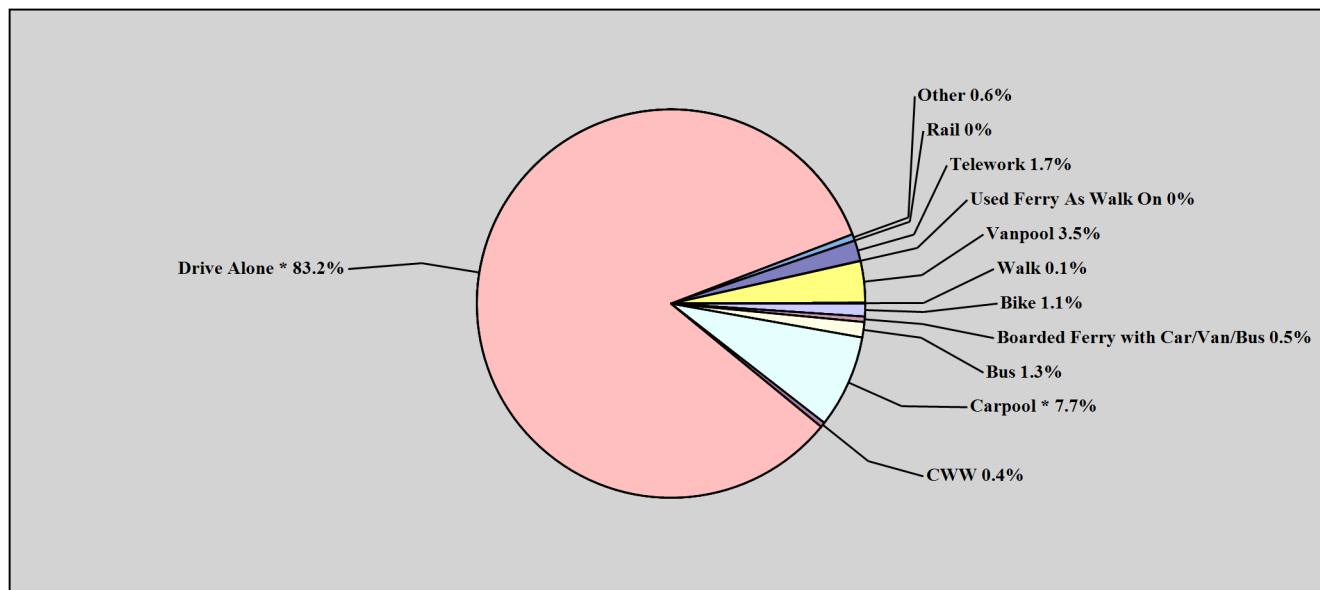
Cycle	Non Drive Alone Rate - All	Non Drive Alone Rate - CTR Affected	Emissions for Surveyed Employees	Estimated Emissions for Total Employment	GHG per Employee's Roundtrip	VMT per Employee - All	VMT per Employee - CTR Affected
2007 - 2008	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2009 - 2010	27.6%	27.6%	2263	3899	18.2	14.8	14.8
2009 - 2010	24.0%	24.7%	1793	3969	18.5	15.6	15.2
2011 - 2012	31.6%	32.2%	1780	7850	36.5	16.2	16.3
2013 - 2014	21.2%	21.1%	3313	7271	33.8	17.5	17.2
2015 - 2016	17.4%	17.5%	3415	7630	35.5	14.7	14.6
2017 - 2018	16.7%	17.2%	2742	6153	28.6	14.9	14.8
Target	33.6%				Target:	12.1	
% Point Change Target:	6.0				% Change Target:	-18.0%	
% Point Change from Baseline:	-10.9				% Change from Baseline:	0.7%	

GHG calculations are based on VMT and estimated total round-trip commutes for all employees. Modes that contribute to GHG include driving alone, carpooling, vanpooling, and riding a motorcycle. The use of other modes (e.g., transit, rail, walking, ferry) do not increase a worksite's GHG calculation. For more information about how GHG is calculated, please contact your jurisdiction's representative.

Commute Trips By Mode - All Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - All Employees



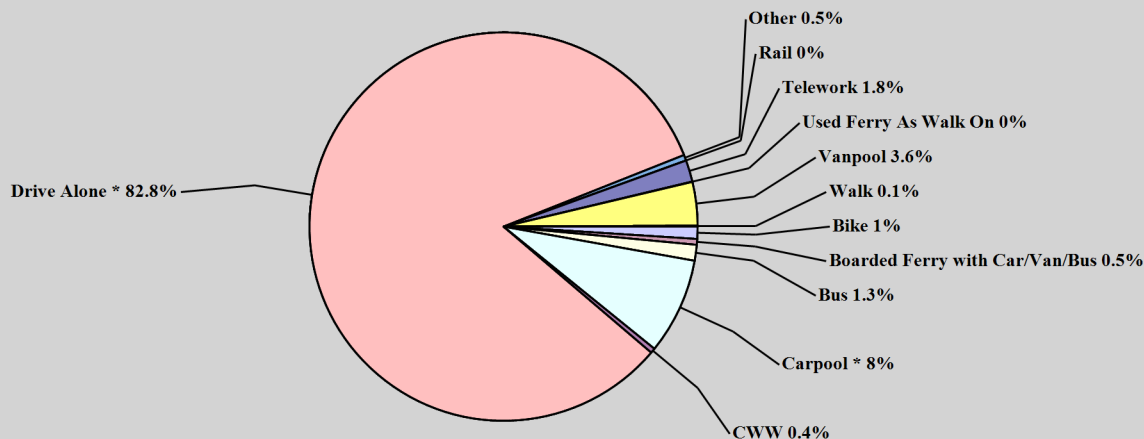
Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	3,449	83.2%	82.6%	771	91.4%	91.1%
Carpool *	320	7.7%	7.2%	89	10.5%	9.8%
Vanpool	143	3.5%	3.1%	38	4.5%	4.3%
Bus	53	1.3%	2.0%	19	2.3%	2.6%
Rail	0	0.0%	0.0%	0	0.0%	0.0%
Bike	44	1.1%	1.3%	20	2.4%	3.0%
Walk	3	0.1%	0.3%	1	0.1%	0.4%
Telework	71	1.7%	1.1%	49	5.8%	4.6%
CWW	17	0.4%	0.3%	16	1.9%	1.3%
Boarded Ferry with Car/Van/Bus	19	0.5%	1.0%	6	0.7%	1.2%
Used Ferry As Walk On	1	0.0%	0.0%	1	0.1%	0.1%
Other	23	0.6%	1.0%	13	1.5%	1.7%

* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

Commute Trips By Mode - Affected Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - CTR Affected Employees



Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	3,263	82.8%	82.5%	731	91.0%	91.1%
Carpool *	316	8.0%	7.0%	88	11.0%	9.6%
Vanpool	143	3.6%	3.2%	38	4.7%	4.4%
Bus	52	1.3%	2.2%	18	2.2%	2.7%
Rail	0	0.0%	0.0%	0	0.0%	0.0%
Bike	40	1.0%	1.4%	19	2.4%	3.1%
Walk	3	0.1%	0.3%	1	0.1%	0.5%
Telework	71	1.8%	1.1%	49	6.1%	4.6%
CWW	16	0.4%	0.2%	15	1.9%	1.2%
Boarded Ferry with Car/Van/Bus	19	0.5%	1.1%	6	0.7%	1.2%
Used Ferry As Walk On	1	0.0%	0.0%	1	0.1%	0.1%
Other	19	0.5%	0.9%	12	1.5%	1.7%

* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
0 Day	620	73%	844	100%
1 Days	59	7%	224	27%
2 Days	27	3%	165	20%
3 Days	40	5%	138	16%
4 Days	32	4%	98	12%
5 Days	64	8%	66	8%
6 or More Days	2	0%	2	0%

Count by Occupancy of Carpools and Vanpools

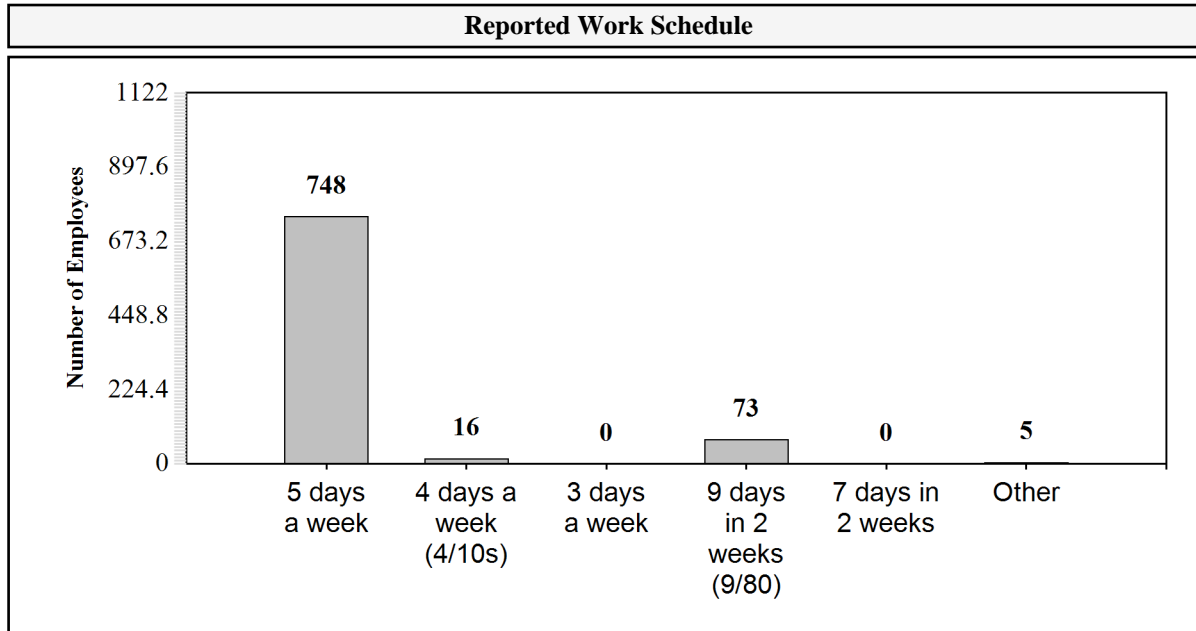
Q.5 If you used a carpool or vanpool as part of your commute, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
2*	Carpool	307
3	Carpool	8
4	Carpool	5
5	Carpool	0
>5	Carpool	0
<5	Vanpool	20
5	Vanpool	28
6	Vanpool	31
7	Vanpool	24
8	Vanpool	14
9	Vanpool	3
10	Vanpool	18
11	Vanpool	5
12	Vanpool	0
13	Vanpool	0
14	Vanpool	0
>14	Vanpool	0

* Motorcycle-2 counted with Carpool-2 for this table.

Reported Work Schedule - All Employees

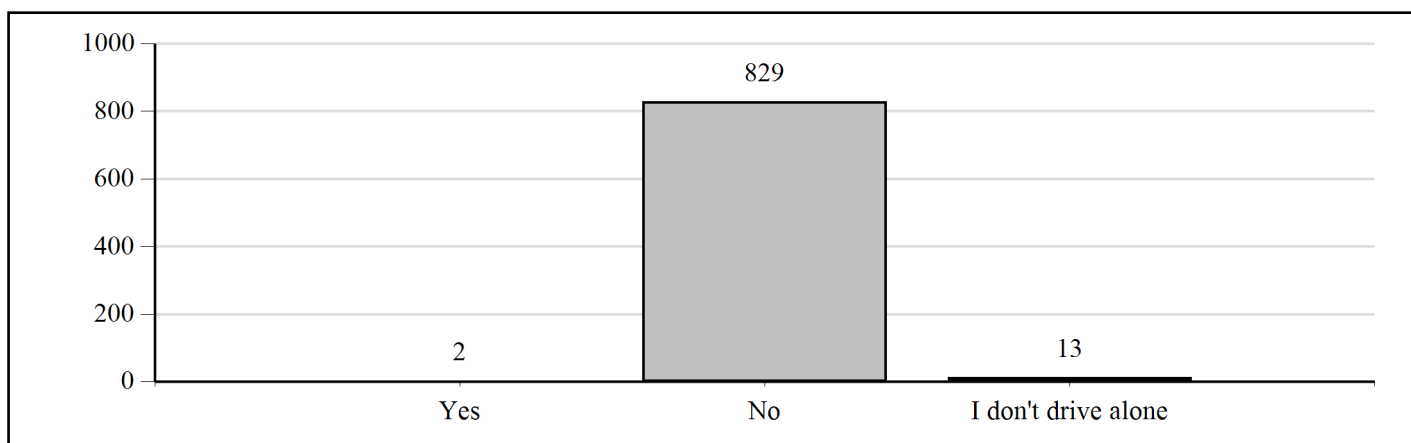
Q.8 Which of the following best describes your work schedule?



Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	748	88.8%
4 days a week (4/10s)	16	1.9%
3 days a week	0	0%
9 days in 2 weeks (9/80)	73	8.7%
7 days in 2 weeks	0	0%
Other	5	0.6%

Parking and Telework

Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)



Q.10: How many days do you typically telework?

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	2	0.2%
I don't telework	421	49.9%
Occasionally, on an as-needed basis	355	42.1%
1-2 days/month	48	5.7%
1 day/week	13	1.5%
2 days/week	5	0.6%
3 days/week	0	0.0%

Reasons for driving alone to work/not driving alone to work

Q11. When you do not drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
I have the option of teleworking	212	12.6%
To save money	191	11.4%
Personal health or well-being	180	10.7%
To save time using the HOV lane	170	10.1%
Other	165	9.8%
Financial incentives for carpooling, bicycling or walking.	152	9.1%
Environmental and community benefits	140	8.3%
Free or subsidized bus, train, vanpool pass or fare benefit	128	7.6%
Cost of parking or lack of parking	102	6.1%
Preferred/reserved carpool/vanpool parking is provided	97	5.8%
Driving myself is not an option	72	4.3%
Emergency ride home is provided	60	3.6%
I receive a financial incentive for giving up my parking space	10	0.6%

Q12. When you drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
Riding the bus or train is inconvenient or takes too long	574	26.6%
I like the convenience of having my car	558	25.9%
Family care or similar obligations	329	15.3%
Other	236	10.9%
My commute distance is too short	213	9.9%
Bicycling or walking isn't safe	123	5.7%
My job requires me to use my car for work	59	2.7%
I need more information on alternative modes	53	2.5%
There isn't any secure or covered bicycle parking	12	0.6%

Commute Mode By ZipCode for All Employees

Q6. What is your home zip code?

Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98012	70	8.29%	323	16	0	0	0	0	4	0	8	1	0	0	1
98275	67	7.94%	272	36	0	0	2	0	8	3	2	0	0	0	0
98208	44	5.21%	188	29	0	0	0	0	1	0	0	0	0	0	0
98296	44	5.21%	168	34	0	0	0	0	2	0	6	1	0	0	1
98258	39	4.62%	163	19	7	0	0	0	0	0	2	0	0	0	0
98203	30	3.55%	126	16	0	5	1	0	1	0	0	1	0	0	0
98021	28	3.32%	112	21	0	0	0	0	3	0	0	1	0	0	0
98290	24	2.84%	101	8	0	3	0	0	3	0	2	0	0	0	0
98103	23	2.73%	98	1	4	0	0	0	2	0	3	0	0	0	2
98087	22	2.61%	93	14	0	0	0	0	0	0	0	0	0	0	0
98223	21	2.49%	101	3	0	0	1	0	0	0	0	0	0	0	0
98270	21	2.49%	93	5	0	6	0	0	0	0	0	2	0	0	0
98011	20	2.37%	96	1	0	0	1	0	0	0	3	1	0	0	0
98026	17	2.01%	67	9	0	0	0	0	5	0	2	2	0	0	1
98115	17	2.01%	71	3	6	2	0	0	1	0	0	1	0	0	0
98036	16	1.90%	63	5	0	3	0	0	4	0	0	0	0	0	0
98052	16	1.90%	78	0	0	0	1	0	0	0	2	1	0	0	0
98292	15	1.78%	45	11	0	4	5	0	0	0	5	0	0	0	4
98034	13	1.54%	60	1	0	0	0	0	1	0	0	0	0	0	0
98037	13	1.54%	64	0	0	3	0	0	0	0	0	0	0	0	0
98125	13	1.54%	48	10	5	0	0	0	0	0	0	0	0	0	0
98133	12	1.42%	44	0	7	0	2	0	3	0	0	0	0	0	0
98201	12	1.42%	41	12	0	1	5	0	0	0	1	0	0	0	0
98204	11	1.30%	45	1	0	2	4	0	0	0	2	0	0	0	0
98107	10	1.18%	47	2	0	0	0	0	0	0	0	0	0	0	0
98117	10	1.18%	40	0	4	0	0	0	1	0	3	0	0	0	0



Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98155	9	1.07%	40	1	0	0	0	0	0	0	1	0	0	0	0
98177	9	1.07%	41	2	0	0	0	0	1	0	0	0	2	0	0
98004	8	0.95%	35	0	4	0	0	0	0	0	0	1	0	0	0
98020	8	0.95%	40	0	0	0	0	0	0	0	0	2	0	0	1
98033	8	0.95%	37	4	0	0	0	0	0	0	1	0	0	0	2
98271	8	0.95%	22	15	0	0	3	0	0	0	0	0	0	0	0
98272	8	0.95%	28	0	5	1	0	0	0	0	2	0	0	0	1
98006	7	0.83%	20	0	8	0	0	0	0	0	4	0	0	0	1
98072	7	0.83%	34	0	0	0	0	0	0	0	0	0	0	0	0
98031	6	0.71%	10	3	7	0	4	0	0	0	3	0	0	0	0
98043	6	0.71%	28	0	0	2	0	0	0	0	0	0	0	0	0
98058	6	0.71%	14	1	9	0	3	0	0	0	2	0	0	0	0
98029	5	0.59%	18	0	3	0	1	0	0	0	0	0	0	0	0
98075	5	0.59%	19	0	5	0	0	0	0	0	1	0	0	0	0
98102	5	0.59%	17	0	8	0	0	0	0	0	0	0	0	0	0
98273	5	0.59%	6	0	17	0	0	0	0	0	1	1	0	0	0
98007	4	0.47%	11	0	7	0	0	0	0	0	0	0	0	0	0
98056	4	0.47%	9	3	4	0	3	0	0	0	0	0	0	0	0
98077	4	0.47%	16	2	0	0	0	0	0	0	1	0	0	0	0
98105	4	0.47%	18	0	0	0	0	0	0	0	1	0	0	0	0
98109	4	0.47%	16	0	4	0	0	0	0	0	0	0	0	0	0
98008	3	0.36%	18	0	0	0	0	0	0	0	0	0	0	0	0
98028	3	0.36%	14	0	0	0	0	0	0	0	0	0	0	0	0
98042	3	0.36%	10	0	5	0	0	0	0	0	0	0	0	0	0
98074	3	0.36%	15	0	0	0	0	0	0	0	0	0	0	0	0
98101	3	0.36%	10	0	5	0	0	0	0	0	0	0	0	0	0
98122	3	0.36%	11	0	3	0	0	0	0	0	1	0	0	0	0
98126	3	0.36%	10	0	0	0	0	0	0	0	3	0	0	0	0
98146	3	0.36%	11	0	0	3	0	0	0	0	0	0	0	0	0



Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98236	3	0.36%	0	0	0	0	0	0	0	0	2	0	13	1	1
98249	3	0.36%	4	0	5	0	6	0	0	0	0	0	1	0	1
98252	3	0.36%	6	4	0	5	0	0	0	0	0	0	0	0	0
98274	3	0.36%	7	5	3	0	0	0	0	0	0	0	0	0	0
98282	3	0.36%	5	8	0	0	0	0	0	0	0	0	0	0	0
	2	0.24%	5	5	0	0	0	0	0	0	0	0	0	0	0
98005	2	0.24%	10	0	0	0	0	0	0	0	0	0	0	0	0
98027	2	0.24%	7	3	0	0	0	0	0	0	0	0	0	0	0
98040	2	0.24%	5	5	0	0	0	0	0	0	0	0	0	0	0
98053	2	0.24%	9	0	0	0	0	0	0	0	1	0	0	0	0
98092	2	0.24%	10	0	0	0	0	0	0	0	0	0	0	0	0
98108	2	0.24%	2	0	8	0	0	0	0	0	0	0	0	0	0
98144	2	0.24%	9	0	0	0	0	0	0	0	1	0	0	0	0
98239	2	0.24%	2	0	0	0	8	0	0	0	0	0	0	0	0
98260	2	0.24%	5	0	0	0	0	0	0	0	0	0	0	0	5
77546	1	0.12%	0	0	0	0	0	0	4	0	0	1	0	0	0
98014	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98019	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98023	1	0.12%	1	0	0	0	0	0	0	0	0	0	0	0	0
98032	1	0.12%	0	0	0	0	0	0	0	0	0	0	0	0	0
98038	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98055	1	0.12%	0	0	0	0	3	0	0	0	2	0	0	0	0
98059	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98061	1	0.12%	0	0	0	4	0	0	0	0	1	0	0	0	0
98078	1	0.12%	2	0	0	0	0	0	0	0	0	0	0	0	0
98116	1	0.12%	4	0	0	0	0	0	0	0	0	1	0	0	0
98121	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98136	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98178	1	0.12%	4	0	0	0	0	0	0	0	0	0	0	0	0



			Weekly Count of Trips By Mode												
Home Zip code	Total Employees	Employee Percentage	Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98199	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98221	1	0.12%	4	0	0	0	0	0	0	0	1	0	0	0	0
98233	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98250	1	0.12%	0	0	0	3	0	0	0	0	0	0	0	0	2
98251	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98253	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98277	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98362	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98370	1	0.12%	0	0	0	1	0	0	0	0	1	0	3	0	0
98377	1	0.12%	4	0	0	0	0	0	0	0	0	0	0	0	0
98391	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98405	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98632	1	0.12%	4	0	0	0	0	0	0	0	0	0	0	0	0